

PATENT  
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**IN THE U.S. PATENT AND TRADEMARK OFFICE**

|                            |                        |
|----------------------------|------------------------|
| In re application of       | Allowed April 14, 2010 |
| Taoufik En-Najjary         | Conf. 1944             |
| Application No. 10/594,396 | Group 2626             |
| Filed September 26, 2006   | Examiner Vijay CHAWAN  |

**VOICE SIGNAL CONVERSION METHOD AND SYSTEM**

**REQUEST FOR CORRECTED FILING RECEIPT**

|                                    |              |
|------------------------------------|--------------|
| Assistant Commissioner for Patents | June 3, 2010 |
| P.O. Box 1450                      |              |
| Alexandria, VA 22313-1450          |              |

Sir:

Receipt is acknowledged of the Filing Receipt for Serial No. 10/594,396. It is requested that a new Filing Receipt be issued on which the invention title is correctly given as **VOICE SIGNAL CONVERSION (NOT CONVERSATION) METHOD AND SYSTEM** as shown by the accompanying Supplemental Application Data Sheet and the first page of the PCT Application.

Respectfully submitted,

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BC/11b

Supplemental Application Data Sheet

**Application Information**

|                                  |   |
|----------------------------------|---|
| Application Type::               | National Stage  |
| Subject Matter::                 | Utility   |
| Suggested Classification::       |   |
| Suggested Group Art Unit::       |   |
| CD-ROM or CD-R?::                | None  |
| Number of CD disks::             |   |
| Number of Copies of CDs::        |   |
| Sequence Submission?::           | None  |
| Computer Readable Form (CRF)::   | No  |
| Number of copies of CRF::        | 0   |
| Title::                          | IMPROVED VOICE SIGNAL<br><del>CONVERSATION</del> <u>CONVERSION METHOD</u><br>AND SYSTEM |
| Attorney Docket Number::         | 0512-1351   |
| Request for Early Publication?:: | No  |
| Request for Non-Publication?::   | No  |
| Suggested Drawing Figure::       |   |
| Total Drawing Sheets::           | 5   |
| Small Entity?::                  | No  |
| Latin Name::                     |   |
| Variety Denomination Name::      |   |
| Petition Included?::             | No  |
| Petition Type::                  |   |
| Licensed US Gov't Agency::       |   |
| Contract or Grant Numbers::      |   |
| Secrecy Order in Parent Appl.?:: | No  |

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|-------------------------|-------|
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**Domestic Priority Information**

|                  |                      |                         |                         |
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| Application::    | Continuity<br>Type:: | Parent<br>Application:: | Parent Filing<br>Date:: |
| This application | National Stage of    | PCT/FR2005/000564       | 3/9/05                  |
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**Foreign Priority Information**

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| Country:: | Application<br>Number:: | Filing Date:: | Priority<br>Claimed:: |
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|           |                         |               |                       |

**Assignment Information**

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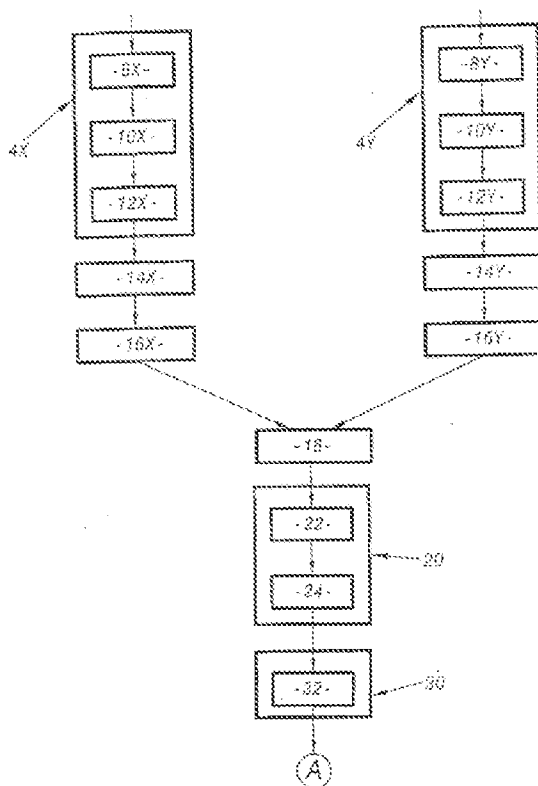
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[Suite sur la page suivante]

(54) Title: IMPROVED VOICE SIGNAL CONVERSION METHOD AND SYSTEM

(54) Titre : PROCÉDÉ ET SYSTÈME AMÉLIORÉS DE CONVERSION D'UN SIGNAL VOCAL



(57) Abstract: The invention relates to a method of converting a voice signal spoken by a source speaker into a converted voice signal having acoustic characteristics that resemble those of a target speaker. The inventive method comprises the following steps consisting in: determining (1) at least one function for the transformation of the acoustic characteristics of the source speaker into acoustic characteristics similar to those of the target speaker; and transforming the acoustic characteristics of the voice signal to be converted using said at least one transformation function. The invention is characterised in that: (i) the aforementioned transformation function-determining step (1) consists in determining (1) a function for the joint transformation of characteristics relating to the spectral envelope and characteristics relating to the fundamental frequency of the source speaker; and (ii) said transformation comprises the application of the joint transformation function.

(57) Abrégé : Ce procédé de conversion d'un signal vocal prononcé par un locuteur source en un signal vocal converti dont les caractéristiques acoustiques ressemblent à celles d'un locuteur cible, comprend : - la détermination (1) d'au moins une fonction de transformation de caractéristiques acoustiques du locuteur source en caractéristiques acoustiques proches de celles du locuteur cible ; et - la transformation de caractéristiques acoustiques du signal vocal à convertir, par ladite au moins une fonction de transformation. Il est caractérisé en ce que ladite détermination (1) comprend la détermination (1) d'une fonction de

transformation conjoints de caractéristiques relatives

[Suite sur la page suivante]

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